

### **Three Dimensional Long Range Radar (AN/TPS-59(V)3)**

#### **Description**

The AN/TPS-59(V)3 Radar System is a lightweight, transportable, long-range, solid state, 3-D L-Band radar. The radar can be integrated as an automatic surveillance radar with either the AN/TYQ-23(V)1 or the AN/TYQ-23(V)4 as the principal sensor of the TAOC. It may also be configured for operation with the ADCP to provide TBM data cues to Air Defense weapons systems.

#### **Operational Impact**

The radar will be phased ashore in an amphibious operation, rapidly installed, and autonomously operated to provide a landward extension of the MAGTF Air Defense System. On command, the employment of the radar will be increased to include its primary function as a sensory device of the MACCS. In this phase of the operation, the radar data will be supplied to the TAOC of the MACCS for the TAOC GCI operations and air traffic control in the objective area. Additionally, to fulfill its TBM surveillance capability, the radar will supply radar cueing data. This TBM surveillance capability will exist in both the autonomous and the TAOM-automated configurations.

#### **Program Status**

Research and development efforts beginning in FY01 will develop Engineering Change Proposals (ECP) to replace obsolete hardware and to ensure the AN/TPS-59 (V) 3 remains viable through 2015. These ECPs will be implemented in FY02 through FY06

<b>Procurement Profile</b>	<b>FY02</b>	<b>FY03</b>
<b>Quantity:</b>	0	0

<b>Developer/Manufacturer</b>	Lockheed Martin Corporation, Naval Electronics & Surveillance Systems (NE&SS), Syracuse, NY
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